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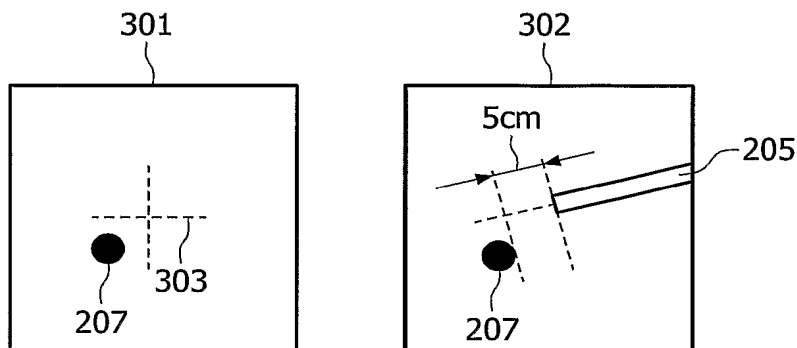
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(54) Title: DATA SET VISUALIZATION



(57) Abstract: In real-time three-dimensional imaging the choice of the visualization method and orientation is crucial for intervention success. The key question is what to ignore and what to show in real-time applications, where user control is not appropriate. The invention addresses this problem by visualizing an intervention (caused by a user) to an object of interest without the requirement of an interactive input by the user. Advantageously, according to an exemplary embodiment of the present invention, parameters for a visualization procedure are

automatically chosen during data acquisition which may allow for an efficient tracking of the actual orientation and relative position of the structure with respect to the object of interest.